

# **EXHIBIT 15**

Sigma  
Immuno  
Chemicals

Forward

Human X-1BD

AATAAAGCTTTGCTAGTATCATACCT

Bellrose  
Sorptag  
TTAAGATCT CTG CGG AGA GTG  
TCC TGG CTC

Retuse  
for full

GGAATTCAGCTCTGTCCTCA  
TCTGTCT

**ILLUSTRATION TO**  
**EXHIBIT 15**

Identification	Primer sequence
Forward	AAT <u>AAG CTT</u> TGC TAG TAT CAT ACC T
Reverse for ptag	TTA <u>AGA TCT</u> CTG CGG AGA GTG TCC TGG CTC
Reverse for full	<u>GGA ATT CCA</u> GCT CTG TCC TCA TCT GTC T

The start and stop codons of H4-1BB sequence are highlighted in all caps and bold. The restriction sites are underlined in the primer sequences. The reverse complements of the reverse primers are shown highlighted in the H4-1BB sequence.

**H4-1BB sequence**

**Forward**

agtggaaagt tctccggcag ccctqaagatc tcaagagtga catttgtgag accagactat  
 ttgattaaaa ttctcttggat atcggatttgt cttagtatcat acctgtgcca gatttcata**A**  
**TG**ggaaacag ctgttacaac atagtagcca ctctgttgc ggtccctcaac tttgagagga  
 caagatcatt gcaggatcct ttagtaact gcccagctgg tacattctgt gataataaca  
 ggaatcagat ttgcagtcct tgcctccaa atagtttctc cagcgcaggt ggacaaagga  
 cctgtgacat atgcaggcag tggtaaagggtt ttttcaggac caggaaggag tggcccttca  
 ccagcaatgc agagtgtgac tgcactccag gtttcactg cctggggca ggtatgcagca  
 tggatgaaaca ggattgtaaa caaggtcaag aactgacaaa aaaagggtgt aaagactgtt  
 gctttgggac atttaacgat cagaacgtg gcatctgtcg accctggaca aactgttctt  
 tggatgaaa gtcgtgtctt gtgaatggga cgaaggagag ggacgtggc tggaccat  
 ctccagccga cctctctccg ggagcatctt ctgtgacccc gcctggccct gcgagaa**gg**  
 caggacactc tccggcagatc atctccttct ttcttgcgt gacgtcgact gcttgctct  
 tcctgtgtt ctccctcagc ctccgtttct ctgttgtttaa acggggcaga aagaaactcc  
 tggatgaaat caaacaacca tttatgagac cagtacaac tactcaagag gaagatgct  
 gtagctgccg atttccagaa gaagaagaag gaggatgtgaa actgt**TGA**aat ggaagtcaat  
 agggctgttg ggactttctt gaaaagaagc aaggaaatat gagtcatccg ctatcacagc  
 tttcaaaagc aagaacacca tcctacataa taccaggat tcccccaaca cacgttctt  
 tctaaatgcc aatgagttgg cctttaaaaa tgcaccactt tttttttt ttttgcacagg  
 gtctcactct gtcacccagg ctggagtgca gtggcaccac catgctctc tgcagccctg  
 acctctgggat gctcaagtga tcctcctgat tcagtcctt agtagctggaa actacaagga  
 agggccacca cacctgacta actttttgt ttttgcacca gtaaagatgg catttcgcca  
 tggatgacat gctggctca aactcctagg ttcactttgg cctccaaag tgctggatt  
 acagacatga actgcccaggc cggccaaaaa taatgcacca ctttaacag aacaa**gacaga**  
 tgaggacaga gctggatgata aaaaaaaaaaaa aaaaaa

**Reverse  
for prag**

**Reverse  
for full**